

A peptide-based immunotherapeutic agent effective for every allergy patient is provided. A reagent for typing HLA class II molecules of the patient to be used in selecting a peptide-based immunotherapeutic agent effective for every allergy patient is also provided. The peptide-based immunotherapeutic agent enables the optimal peptide-based immunotherapy for each patient, so that a marked improvement in peptide-immunotherapy can be expected. The peptide-based immunotherapeutic agent is also effective for patients who cannot be treated by peptide-based immunotherapy using major antigen peptide recognized in a particular patient population. Furthermore, the peptide-based immunotherapeutic agent enables simple and easy typing of HLA class II molecules of allergy patients.